

EUROPEAN PATENT OFFICE

Patent Abstracts of Japan

PUBLICATION NUMBER : 03142724
PUBLICATION DATE : 18-06-91

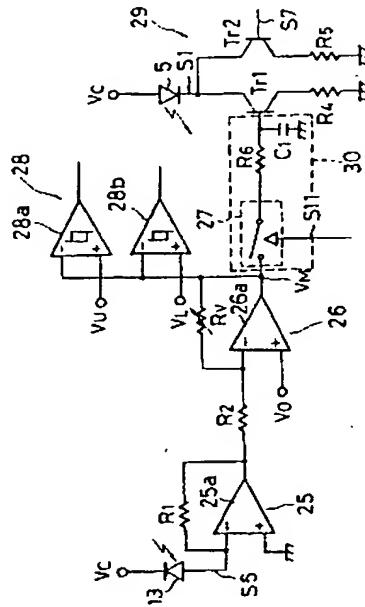
APPLICATION DATE : 30-10-89
APPLICATION NUMBER : 01282138

APPLICANT : TOSHIBA INTELIGENT TECHNOL LTD;

INVENTOR : DOI AKIHIKO;

INT.CL. : G11B 7/125

TITLE : OPTICAL DISK DEVICE



ABSTRACT : PURPOSE: To prevent damage of an optical disk or the defect of recording and reproducing by providing a gain varying means and a means to apply a fixed bias in a driving signal generating means.

CONSTITUTION: A variable resistor R_V to change a gain is inserted to the feedback loop of an operational amplifier 26a in a driving current generating circuit 26 and a servo loop is formed as a fixed bias V_O . Accordingly, the detected light quantity of a laser beam and the amplification factor is changed to the fixed voltage V_O by the variable resistor R_V and an output voltage is determined by comparison with the fixed voltage V_O . Then, the driving current of a semiconductor laser oscillator is determined and therefore even when the detected light quantity is dispersed, correspondence can be made by adjusting the variable resistor R_V . Thus, even when the detection sensitivity of a photodetector 13 is dispersed, the normal servo loop can be formed and abnormality in laser emitting light quantity is detected without fail. Then, the damage for the optical disk or the defect of recording and reproducing can be prevented.

COPYRIGHT: (C)1991,JPO&Japio